

### Summary Information

Module Code	5122COMP
Formal Module Title	Knowledge-Based Systems
Owning School	Computer Science and Mathematics
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 5
Grading Schema	40

### Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

### Learning Methods

Learning Method Type	Hours
Lecture	22
Practical	22
Seminar	11

### Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
JAN-CTY	CTY	January	12 Weeks

### Aims and Outcomes

Aims	To provide knowledge, understanding and experience on the development process, tools and techniques for producing knowledge –based and ‘intelligent’ systems.
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**After completing the module the student should be able to:**

### Learning Outcomes

Code	Number	Description
MLO1	1	Describe the nature of knowledge-based and multi-agent systems
MLO2	2	Understand how knowledge based and autonomous system development relates to the construction of an intelligent system.

### Module Content

Outline Syllabus	Knowledge-based SystemsExpert SystemsComputational AgentsMulti-agent SystemsUncertain ReasoningSearchPlanningConstraint SatisfactionLearningSimulation
Module Overview	
Additional Information	This module introduces the theory, methods, techniques and tools involved in the development of knowledge-based systems and intelligent systems.

### Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Technology	System Development	100	0	MLO1, MLO2

### Module Contacts

#### Module Leader

Contact Name	Applies to all offerings	Offerings
Martin Randles	Yes	N/A

#### Partner Module Team

Contact Name	Applies to all offerings	Offerings
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